

**NTP Technical Report
on Toxicity Study of**

1-Nitropyrene

(CAS No. 5522-43-0)

**Administered by Inhalation
to F344/N Rats**

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Post Office Box 12233
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**United States Department of Health and Human Services
Public Health Service
National Institutes of Health**

Note to the Reader

The National Toxicology Program (NTP) is made up of four charter agencies of the United States Department of Health and Human Services (DHHS):

- the National Cancer Institute (NCI) of the National Institutes of Health;
- the National Institute of Environmental Health Sciences (NIEHS) of the National Institutes of Health;
- the National Center for Toxicological Research (NCTR) of the Food and Drug Administration; and
- the National Institute for Occupational Safety and Health (NIOSH) of the Centers for Disease Control.

In July 1981, the Carcinogenesis Bioassay Testing Program was transferred from NCI to NIEHS. NTP coordinates the relevant Public Health Service programs, staff, and resources that are concerned with basic and applied research and with biological assay development and validation.

NTP develops, evaluates, and disseminates scientific information about potentially toxic and hazardous chemicals. This knowledge is used for protecting the health of the American people and for the primary prevention of disease.

NTP designs and conducts studies to characterize and evaluate the toxicologic potential of selected chemicals in laboratory animals (usually two species, rats and mice). Chemicals selected for NTP toxicology studies are chosen primarily on the bases of human exposure, level of production, and chemical structure. Selection per se is not an indicator of a chemical's toxic potential. The interpretive conclusions presented in this Toxicity Report are based only on the results of these NTP studies. Extrapolation of these results to other species and quantitative risk analyses for humans require wider analyses beyond the purview of these studies.

The study described in this toxicity study report was performed under the direction of NIEHS and was conducted in compliance with NTP laboratory health and safety requirements. The study met or exceeded all applicable federal, state, and local health and safety regulations. Animal care and use were in accord and compliance with the Public Health Service Policy on Humane Care and Use of Animals.

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**NIH Publication 96-3383
April 1996**

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This NTP report on the toxicity study of 1-nitropyrene is based primarily on a 13-week inhalation study that began in August 1991 and ended in November 1991 at Battelle Pacific Northwest Laboratories, Richland, WA.

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